

- L17 1 (noise environment\$4 background) same (duration length) same ( ( (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identifi\$ or classifi\$ or authenticat\$) or ASR or CSR or IWSR or ( ( speech or voice) adj text) or STT) ) same (histogram) 2007/09/21 10:38 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L18 9 ( (FORM OR FORMING OR FORMED OR ENROLL\$) near2 REFERENCE\$) same (DISTANCE OR DISSIMILAR\$ OR DIS-SIMILAR\$ OR DISTORTION) same ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) 2007/09/21 10:39 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L19 2 (noise environment\$4 background) near2 (duration length) same (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) near2 (feature token) 2007/09/21 10:41 USPAT
- L20 16 (noise environment\$4 background) same (duration length) same (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) same (histogram) 2007/09/21 10:42 USPAT
- L22 26 ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) and (gain attenuat\$7) and ( (UTTER\$7 OR PATTERN OR SAY OR SAID) near2 ( signal adj noise snr) ) 2007/09/21 11:22 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L23 2 ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR SAY OR SAID) ) and (gain attenuat\$7) and ( ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR SAY OR SAID) ) same ( signal adj noise snr) ) 2007/09/21 11:25 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L24 11 ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR SAY OR SAID) ) and (gain attenuat\$7) and ( (UTTER\$7 OR SAY OR SAID) same ( signal adj noise snr) ) 2007/09/21 11:26 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S165 0 (timer hangover hang-over) and HISTO\$ and ( (preamplif\$4 near4 (gain attenuat\$6) ) near4 (up and down) ) 2007/10/02 07:20 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S166 63 (timer hangover hang-over) and histogra\$ and ( (gain attenuat\$6) near4 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ) 2007/10/02 07:21 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S167 159 (timer hangover hang-over) and histogra\$ and ( (\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ) 2007/10/02 07:23 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S169 3 ( (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identifi\$ or classifi\$ or authenticat\$) or ASR or CSR or IWSR or ( (speech or voice) adj text) or STT) and histogra\$ near4 (compar\$7 match\$7) and ( (\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ) 2007/10/02 07:29 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S171 0 ( (echo reverberat\$4 noise background environment) near2 (cancel\$7 suppress\$7) ) and (compar\$7 match\$7) and (timer hangover hang-over) near4 ( (\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ) 2007/10/02 07:34 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S176 57 (compar\$7 match\$7).ti,ab,clm. and (timer hangover hang-over).ti,ab,clm. and ( (\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ).ti,ab,clm. 2007/10/02 07:43 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S173 12 (saturat\$7 clip\$5) and (compar\$7 match\$7).ti,ab,clm. and (timer hangover hang-over).ti,ab,clm. and ( (\$3gain \$3attenuat\$6 \$3amplif\$7) near4 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ).ti,ab,clm. 2007/10/02 07:44 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- S174 19 sorqvist\$ "20030091180" \$ 2003/0091180\$ 2007/10/02 08:34 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB

- S120 5 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral).ti,ab,clm. and (saturat\$7).ti,ab,clm. and (threshold).ti,ab,clm. and (gain near2 amplifi\$7).ti,ab,clm. and ( (gain or attenuat\$4 or amplifi\$7) near2 ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ).ti,ab,clm.  
2007/09/21 09:02
- S121 11 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral).ti,ab,clm. and (saturat\$7).ti,ab,clm. and (threshold).ti,ab,clm. and (gain near2 amplifi\$7).ti,ab,clm. and ( (gain or attenuat\$4 or amplifi\$7) and ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) ).ti,ab,clm. 2007/09/21 09:03
- S119 3 saturat\$7 and (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral).ti,ab,clm. same (threshold).ti,ab,clm. same (gain near2 amplifi\$7).ti,ab,clm. same ( (DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4) ).ti,ab,clm. 2007/09/21 09:06
- S122 48 (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) and (saturat\$7) same (threshold) same (gain near2 amplifi\$7) same ( (DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4) ) 2007/09/21 09:19
- S123 1 ( (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ( (speech or voice) adj text) or STT) and (saturat\$7) same (threshold) same (gain near2 amplifi\$7) same ( (DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4) ) 2007/09/21 09:37
- S124 25 ( (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ( (speech or voice) adj text) or STT) and (saturat\$7) same (threshold) and (gain near2 amplifi\$7) same ( (DECREAS\$4 down less\$4 lower\$4) same (increas\$4 up higher rais\$4) ) 2007/09/21 09:39
- S125 43 ( (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ( (speech or voice) adj text) or STT) and (saturat\$7) same (threshold) and (gain near2 amplifi\$7) same ( (DECREAS\$4 down less\$4 lower\$4) and (increas\$4 up higher rais\$4) ) 2007/09/21 09:40
- L3 37 ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) same prompt\$7 and (duration length) and (gain attenuat\$7) 2007/09/21 10:37 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L1 35 ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) same (three third) same prompt\$7 2007/09/21 10:37 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L15 35 ( (DISTANCE OR DISSIMILAR\$ OR DIS-SIMILAR\$ OR DISTORTION or CLOSENESS OR SIMILARITY) same (SUBSTITUT\$ OR REPLAC\$) same (features! token reference) ) and ( (speech\$ or speak\$ or voic\$ or audio\$ or acoustic\$ or talk\$ or spoken or locut\$ or vocal\$ or sing or singi\$ or song or phonem\$ or phonet\$ or articulat\$ or sonic or sound or verbal\$ or oral) near2 (recogni\$ or identif\$ or classif\$ or authenticat\$) or ASR or CSR or IWSR or ( (speech or voice) adj text) or STT) ) and ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) 2007/09/21 10:37 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB
- L4 11 ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) same prompt\$7 and (duration length) and (gain attenuat\$7) and ( (REPEAT\$7 OR REPETITI\$7 OR AGAIN) near2 (UTTER\$7 OR PATTERN OR SAY OR SAID) ) same (three third) same prompt\$7 2007/09/21 11:19 US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM\_TDB